

Progress Report No. 2

September 6, 1972

E 72-10073

CR-128088

- A. Title: ERTS-1 Data User Investigation of WETLAND ECOLOGY, SR 140
- B. Principal Investigator: Dr. Richard R. Anderson, The American University, UN-006
- C. No ERTS-1 data have been received by this investigator to date, although data have been gathered over the test site and released to other investigators. The reason for this problem is unclear, but it appears to be a foul-up in the computer listing of ERTS-1 data recipients. It is hoped the problem will be rectified promptly. Also, no U-2 data have been received for the southern portion of the test site. A projected field trip to North and South Carolina has been held up in anticipation of receipt of ERTS-1 and U-2 data. This trip has been rescheduled for the month of September regardless of whether these data are received or not.
- D. Accomplishments during July and August include:
1. Field trips to various types of wetlands in the Chesapeake Bay area to train graduate assistant and to gather spectral reflectance information in wetland plant species and components.
 2. Processing of spectral reflectance data as it is collected using an operational computer program. A computer program for plotting spectral reflectance curves is being "debugged"

2. (cont'd)

and will be operational within the next month.

3. Continuing analysis of U-2 data over the northern portion of the test site with additional data for April '72 and June '72 being received on 9/5/72.
4. Analysis of selected sites in test area with multiband photography taken by U-2 and RB 57, using the Geological Survey's MIAS at McLean, Va.
5. Completion of analysis of impact of watershed development on wetlands in the Northeast River watershed using high altitude RB-57 IR photography.

Plans for the next report period include:

1. Further preparation for receipt of ERTS-1 data.
2. A field trip to the southern portion of the test site.
3. Continuation of collection of spectral reflectance data.
4. Attendance at the University of Michigan Remote Sensing Symposium at Ann Arbor, Michigan, October 2-6, 1972.

E-K not applicable at this report date.

